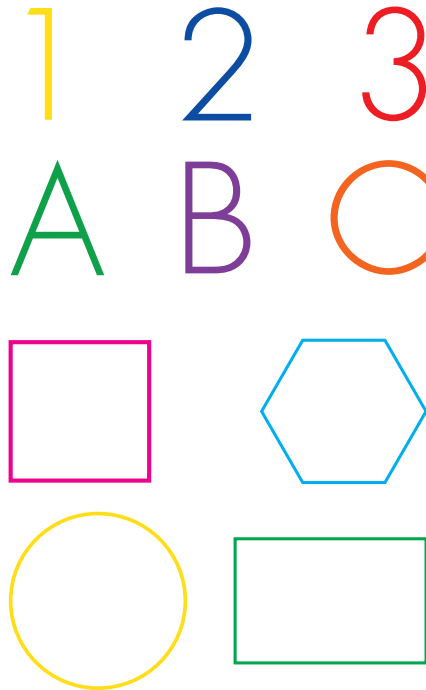




# Učení pomocí hry



Inspirováno  
metodou Montessori

# OBSAH

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Hraj si s dílky	05

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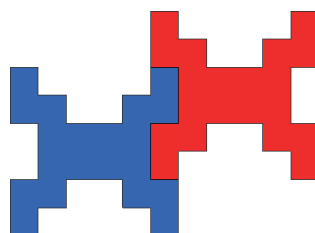
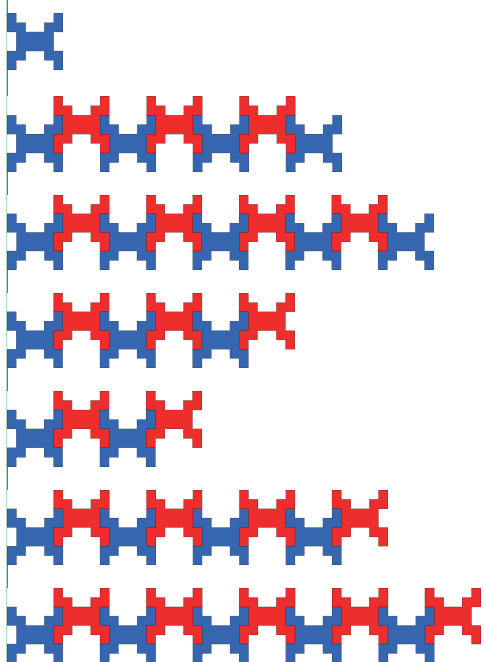
## ABECEDA

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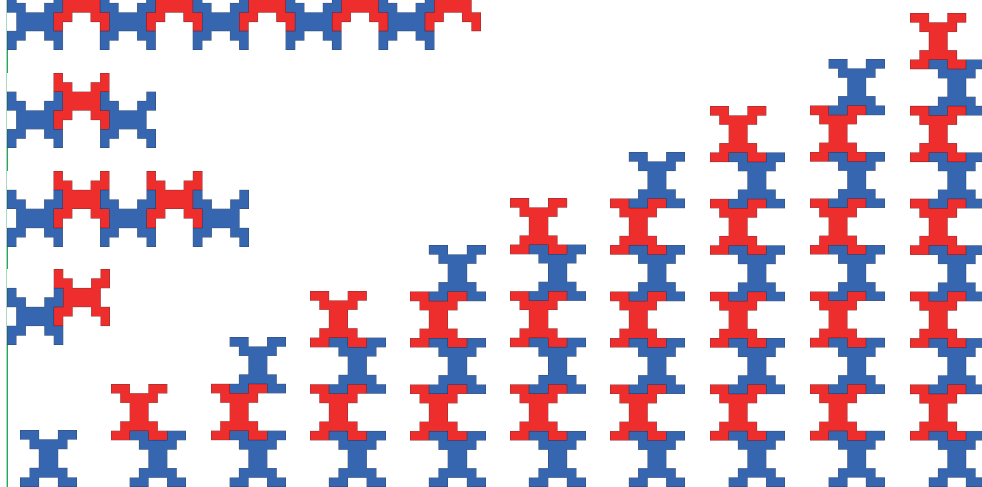
# ČÍSLA PODLE VELIKOSTI

## Vytvoř čáru

1) Vytvoř čáry různé velikosti


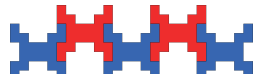
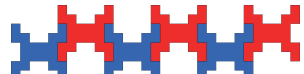


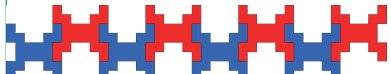

2) Seřad' čáry vzestupně



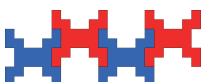
**1 2 3 4 5 6 7 8 9 10**

3) Přiřaď hodnotu každé čáře


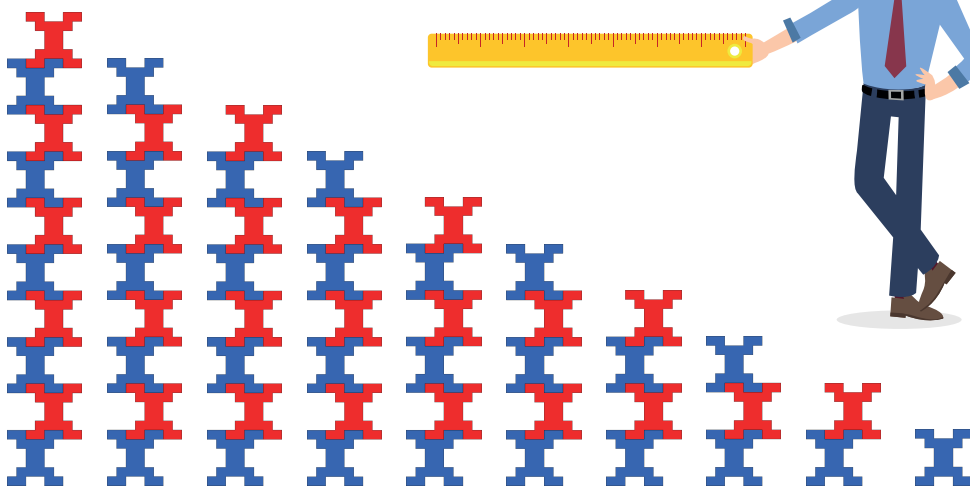
 


4) Postav svou vlastní čáru začínající zadaným číslem


 -----  --

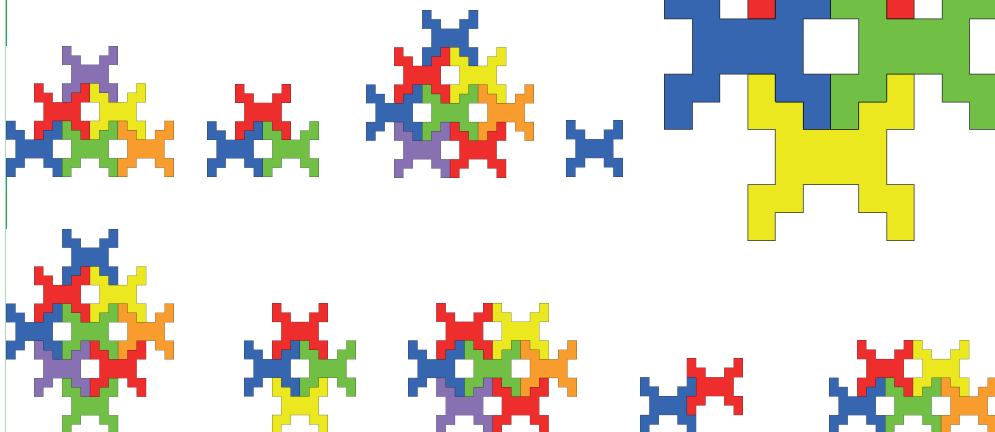
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5) Seřaď čáry sestupně

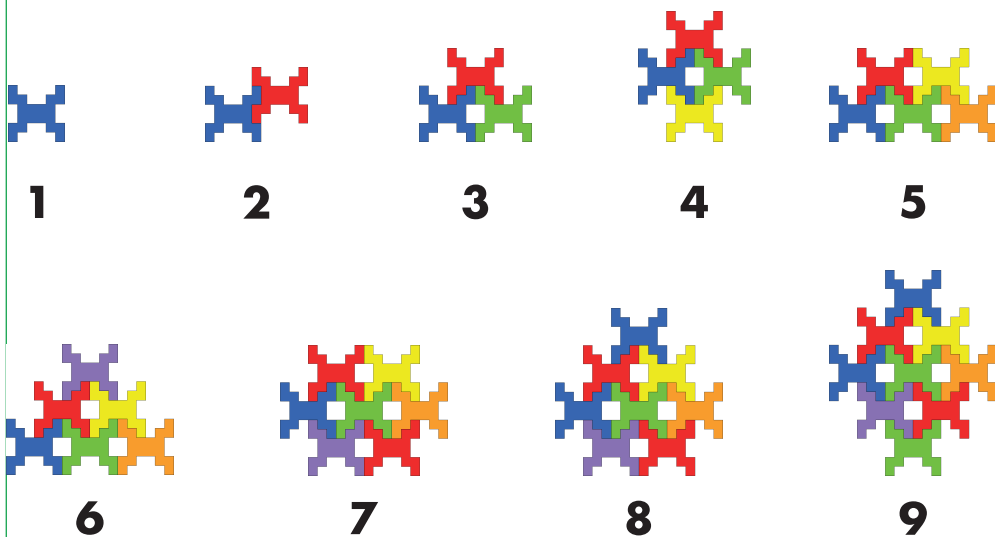



# Hraj si s dílky

1) Postav následující 2D modely



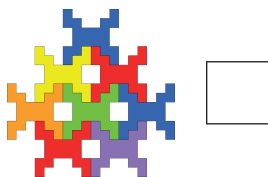
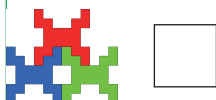
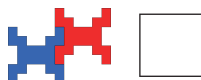
2) Seřad' modely vzestupně



3) Postav 2D modely s použitím následujícího počtu dílků



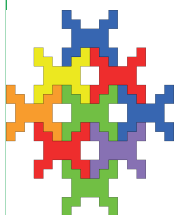
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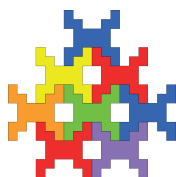
4) Se zadaným počtem dílků postav svůj vlastní výtvar



5) Seřad' jednotlivé modely sestupně



9



8



7



6



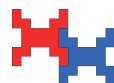
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4



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2

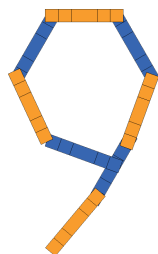
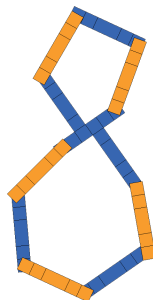
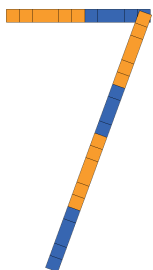
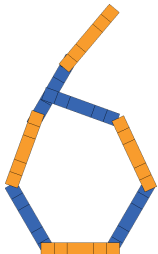
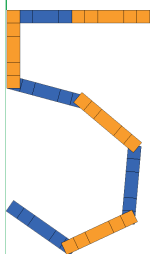
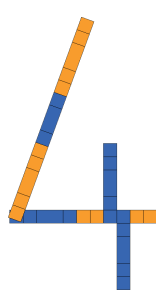
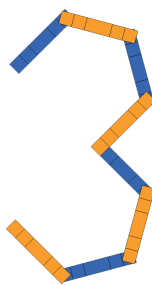
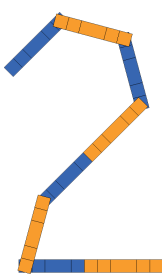
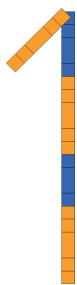
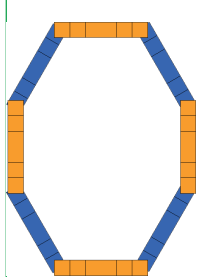
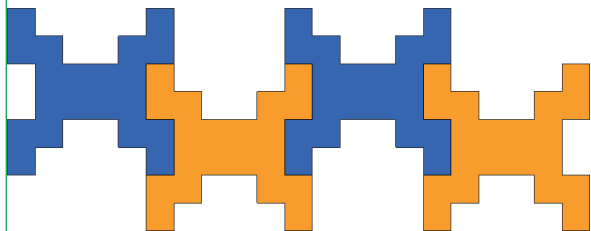
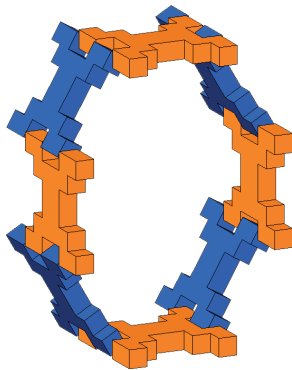


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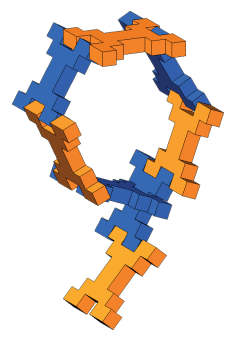
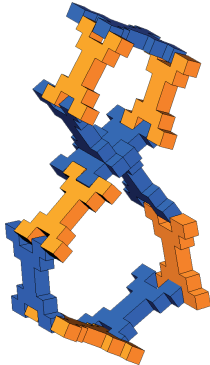
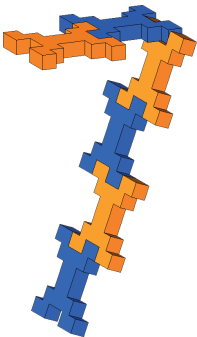
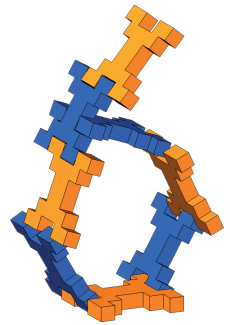
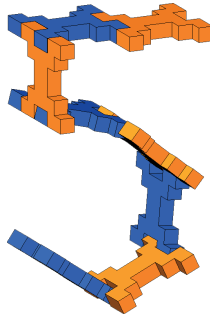
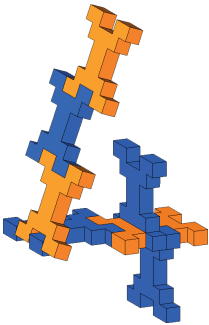
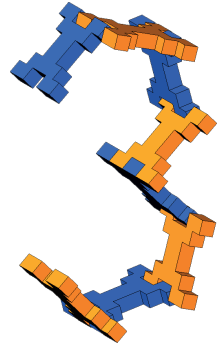
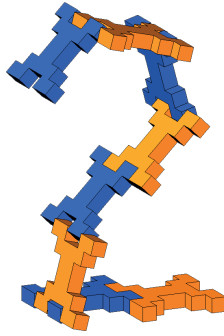
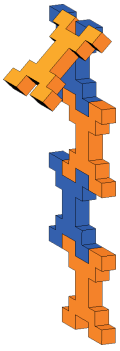
# ROZEZNÁVÁNÍ ČÍSEL

## Postav čísla

Postav čáru a ohni do tvaru následujících čísel

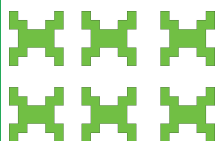




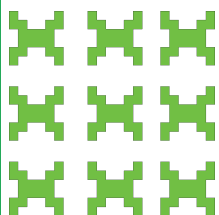
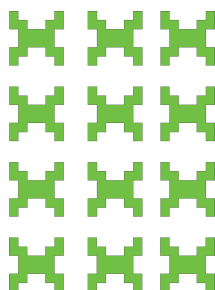


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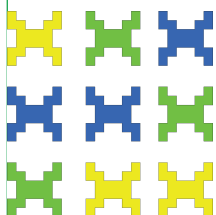
1) Spočítej dílky



6



• Spočítej dílky za každou barvu



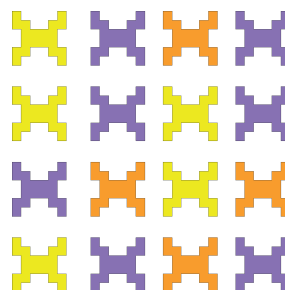
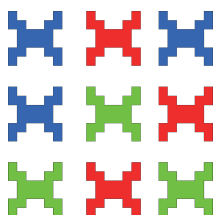
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3

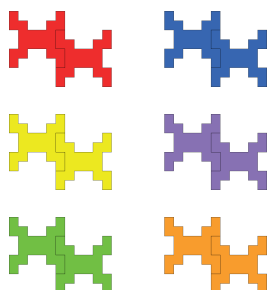
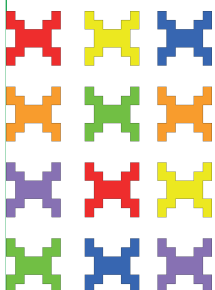
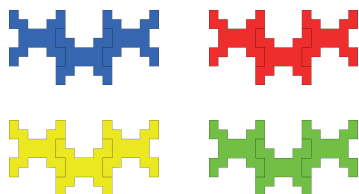
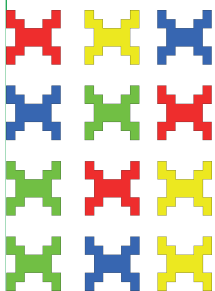


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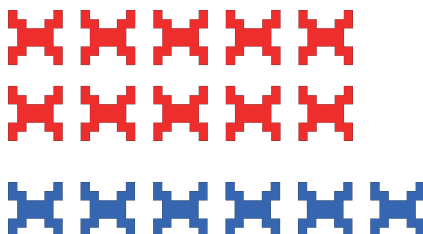
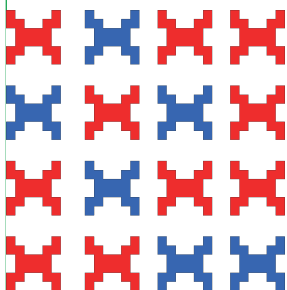


# Seskupení

- Seskup dílky podle barev



- Udělej skupiny po deseti



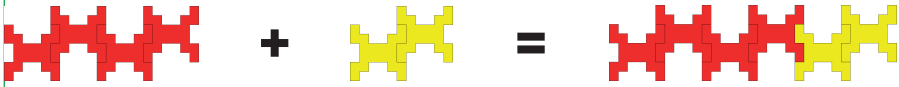
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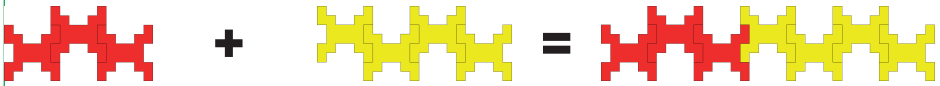
# Sčítání



4

2

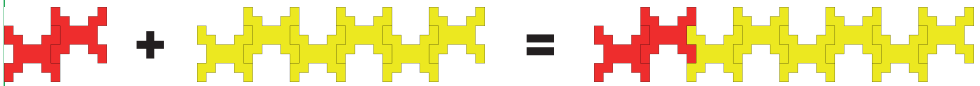
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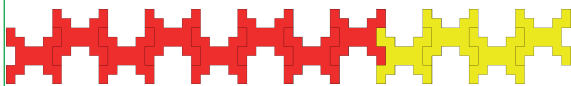
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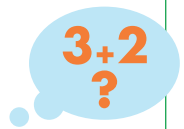


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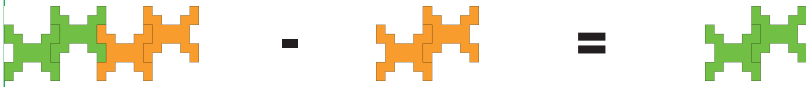
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12



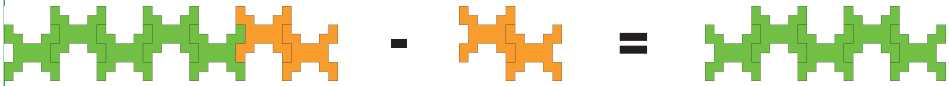
# Odečítání



4

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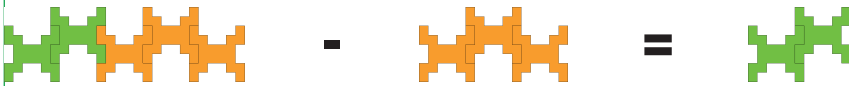
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5



5

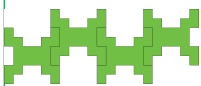
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2



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4

# Násobení

$$\begin{array}{c} \text{X X} \\ \text{X X} \end{array} \times \begin{array}{c} \text{X X X X X} \\ \text{X X X X X} \end{array} = \begin{array}{c} \text{X X X X X} \\ \text{X X X X X} \end{array}$$

**2**                      **5**                      **10**

$$\begin{array}{c} \text{X X X} \\ \text{X X X} \\ \text{X X X} \end{array} \times \begin{array}{c} \text{X X X} \\ \text{X X X} \\ \text{X X X} \end{array} = \begin{array}{c} \text{X X X} \\ \text{X X X} \\ \text{X X X} \end{array}$$

**3**                      **3**                      **9**

$$\begin{array}{c} \text{X X} \\ \text{X X} \end{array} \times \begin{array}{c} \text{X X X} \\ \text{X X X} \end{array} = \begin{array}{c} \text{X X X} \\ \text{X X X} \end{array}$$

**2**                      **3**                      **6**

$$\begin{array}{c} \text{X X X} \\ \text{X X X} \\ \text{X X X} \end{array} \times \begin{array}{c} \text{X X X X} \\ \text{X X X X} \\ \text{X X X X} \end{array} = \begin{array}{c} \text{X X X} \\ \text{X X X} \\ \text{X X X} \end{array}$$

**3**                      **4**                      **12**

# Dělení

A grid of 10 X-shaped blocks arranged in two rows of five. The top row has five blue blocks, and the bottom row has five orange blocks. To the right is a single blue X-shaped block. An equals sign follows, then a grid of five blue X-shaped blocks arranged in two rows: the top row has three blocks and the bottom row has two blocks. Below the 10 blocks is a box with the number 10. Below the single block is a box with the number 2. Below the 5 blocks is a box with the number 5.

$$10 \div 2 = 5$$

A grid of 9 X-shaped blocks arranged in three rows of three. The top row has three blue blocks, the middle row has one blue and two orange blocks, and the bottom row has one blue and two orange blocks. To the right is a single blue X-shaped block. An equals sign follows, then a grid of three blue X-shaped blocks arranged in three rows. Below the 9 blocks is a box with the number 9. Below the single block is a box with the number 3. Below the 3 blocks is a box with the number 3.

$$9 \div 3 = 3$$

A grid of 6 X-shaped blocks arranged in two rows of three. The top row has three blue blocks, and the bottom row has one blue and two orange blocks. To the right is a single blue X-shaped block. An equals sign follows, then a grid of two blue X-shaped blocks arranged in two rows. Below the 6 blocks is a box with the number 6. Below the single block is a box with the number 3. Below the 2 blocks is a box with the number 2.

$$6 \div 3 = 2$$

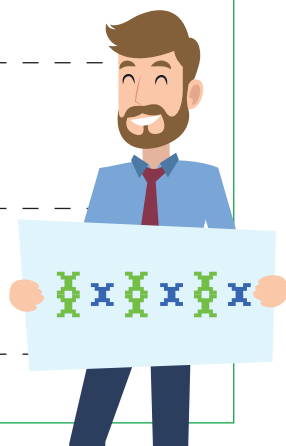
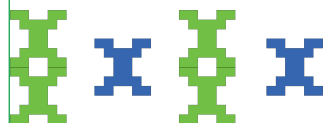
A grid of 12 X-shaped blocks arranged in four rows of three. The top row has three blue blocks, the second row has one blue and two orange blocks, the third row has one blue and two orange blocks, and the bottom row has one blue and two orange blocks. To the right is a single blue X-shaped block. An equals sign follows, then a grid of three blue X-shaped blocks arranged in three rows. Below the 12 blocks is a box with the number 12. Below the single block is a box with the number 4. Below the 3 blocks is a box with the number 3.

$$12 \div 4 = 3$$

# LOGICKÉ MYŠLENÍ

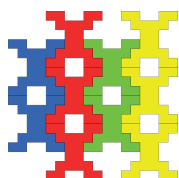
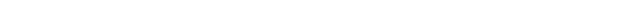
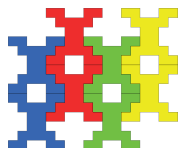
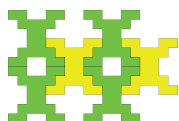
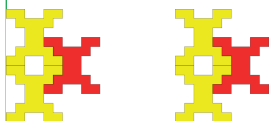
## Uspořádání do posloupnosti

1) Pokračuj v posloupnosti





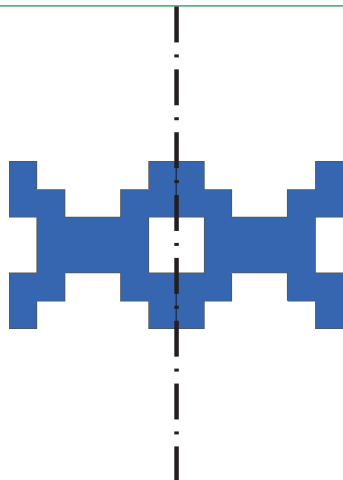
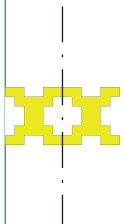
2) Pokračuj v posloupnosti přidáváním dílků správným způsobem



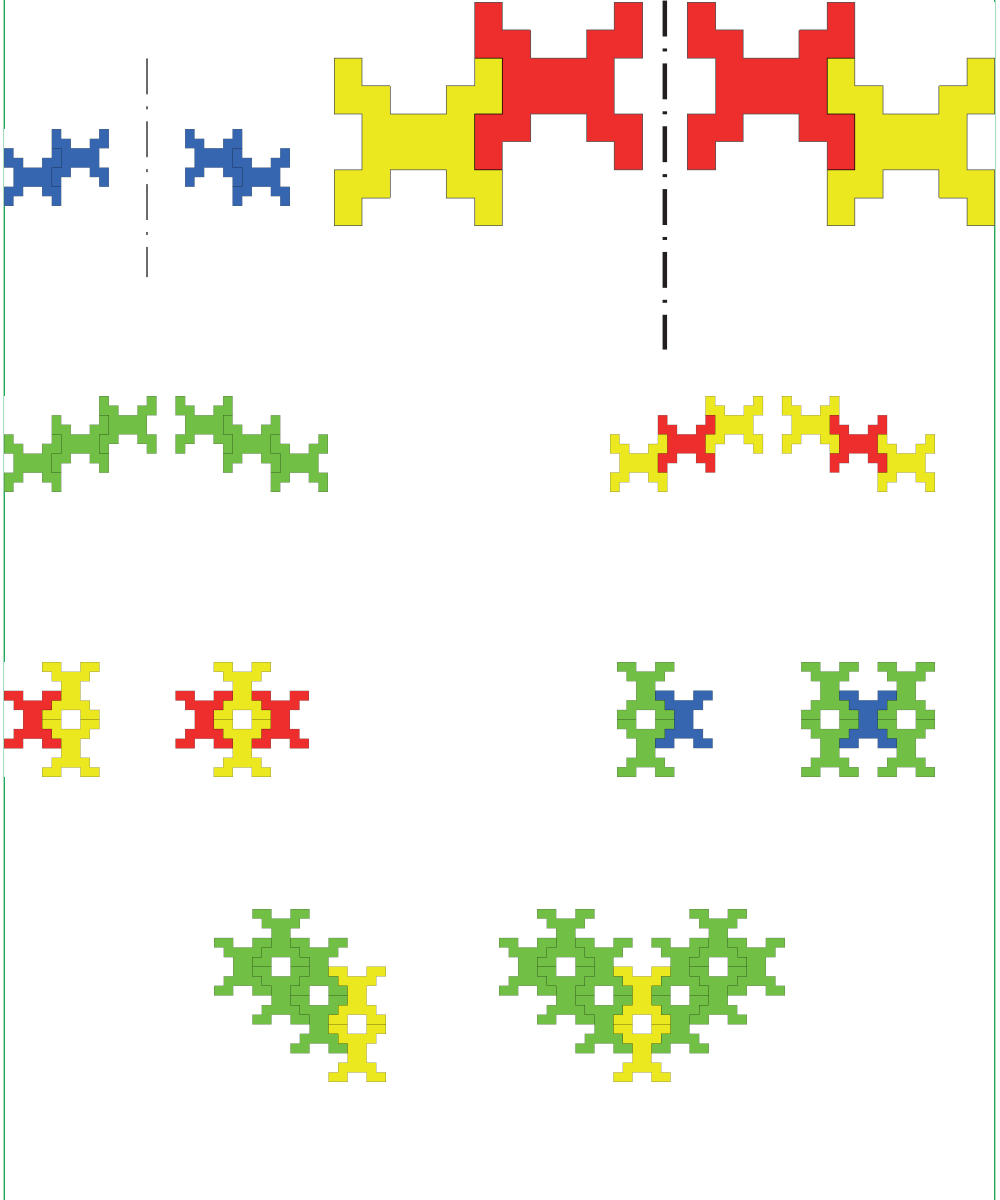
# GEOMETRIE

## Symetrie

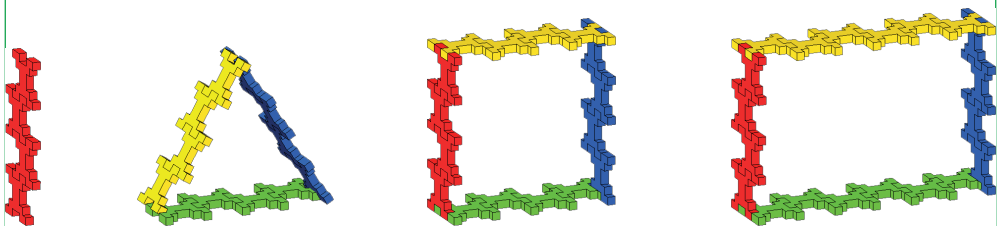
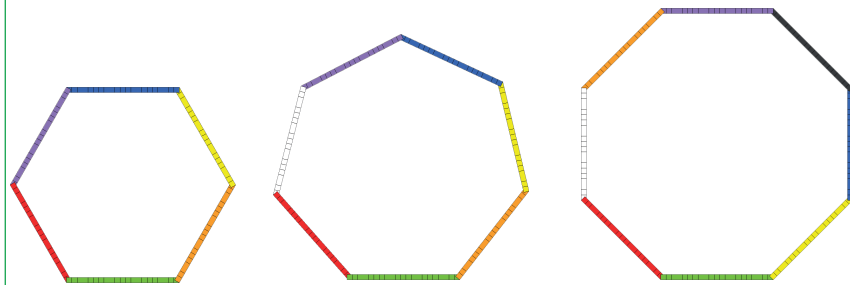
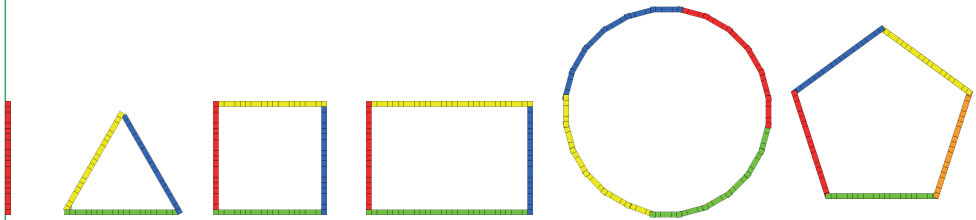
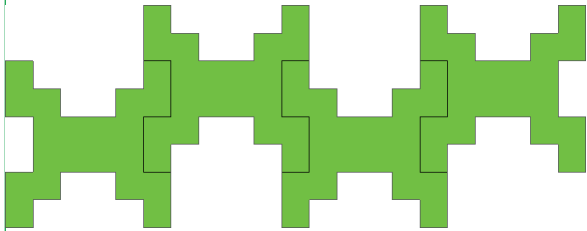
1) Nakresli symetrickou osu

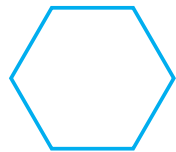
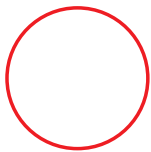
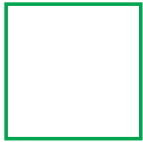
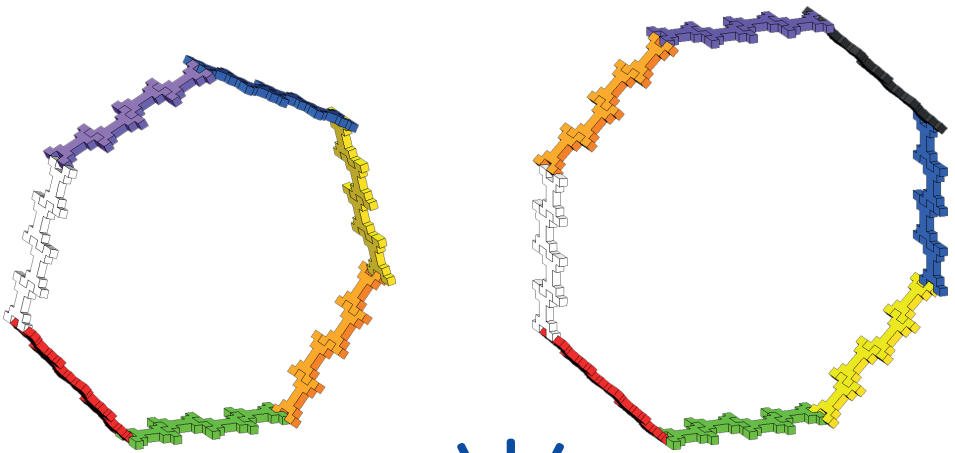
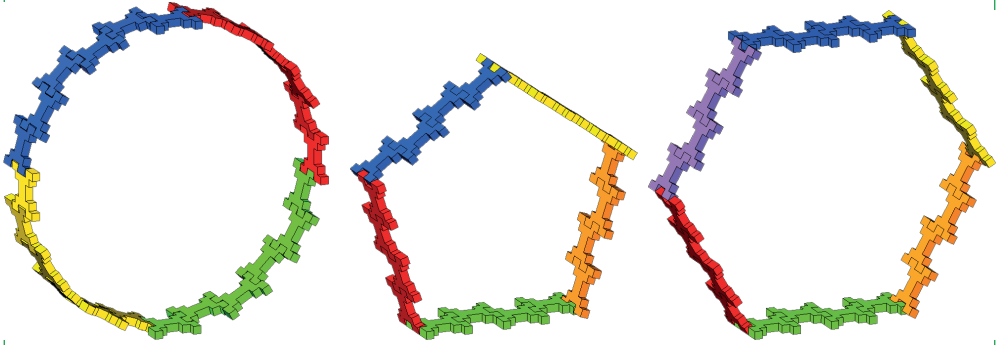


2) Vytvoř zrcadlový obraz



# Vytvoř geometrické tvary

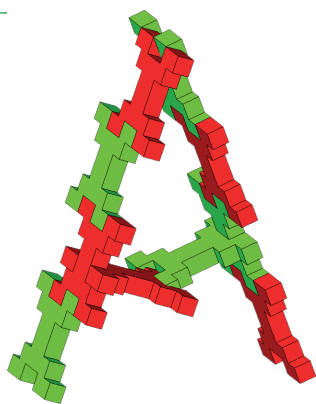
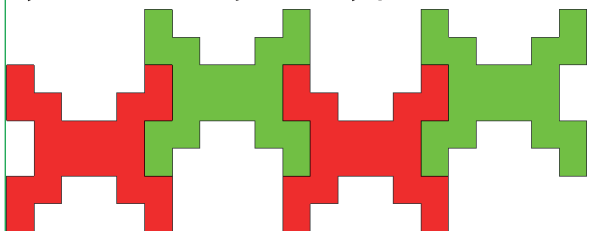




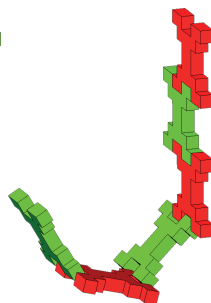
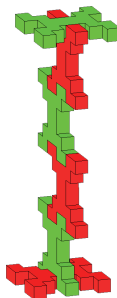
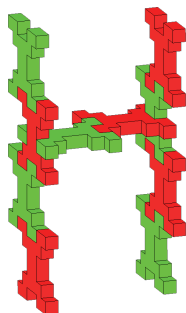
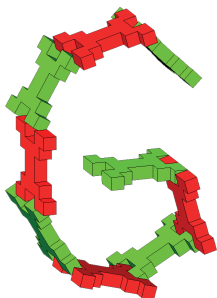
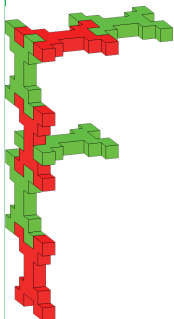
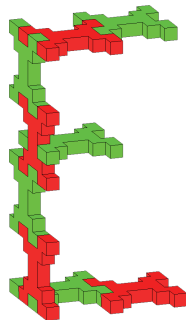
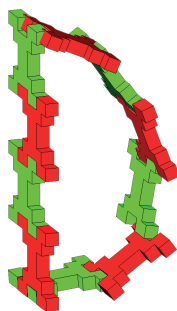
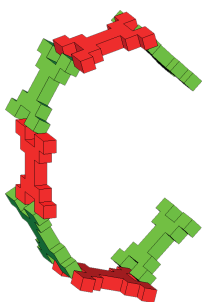
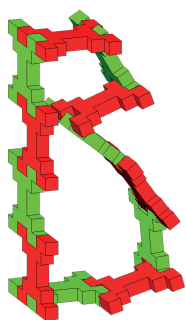
# ABECEDA

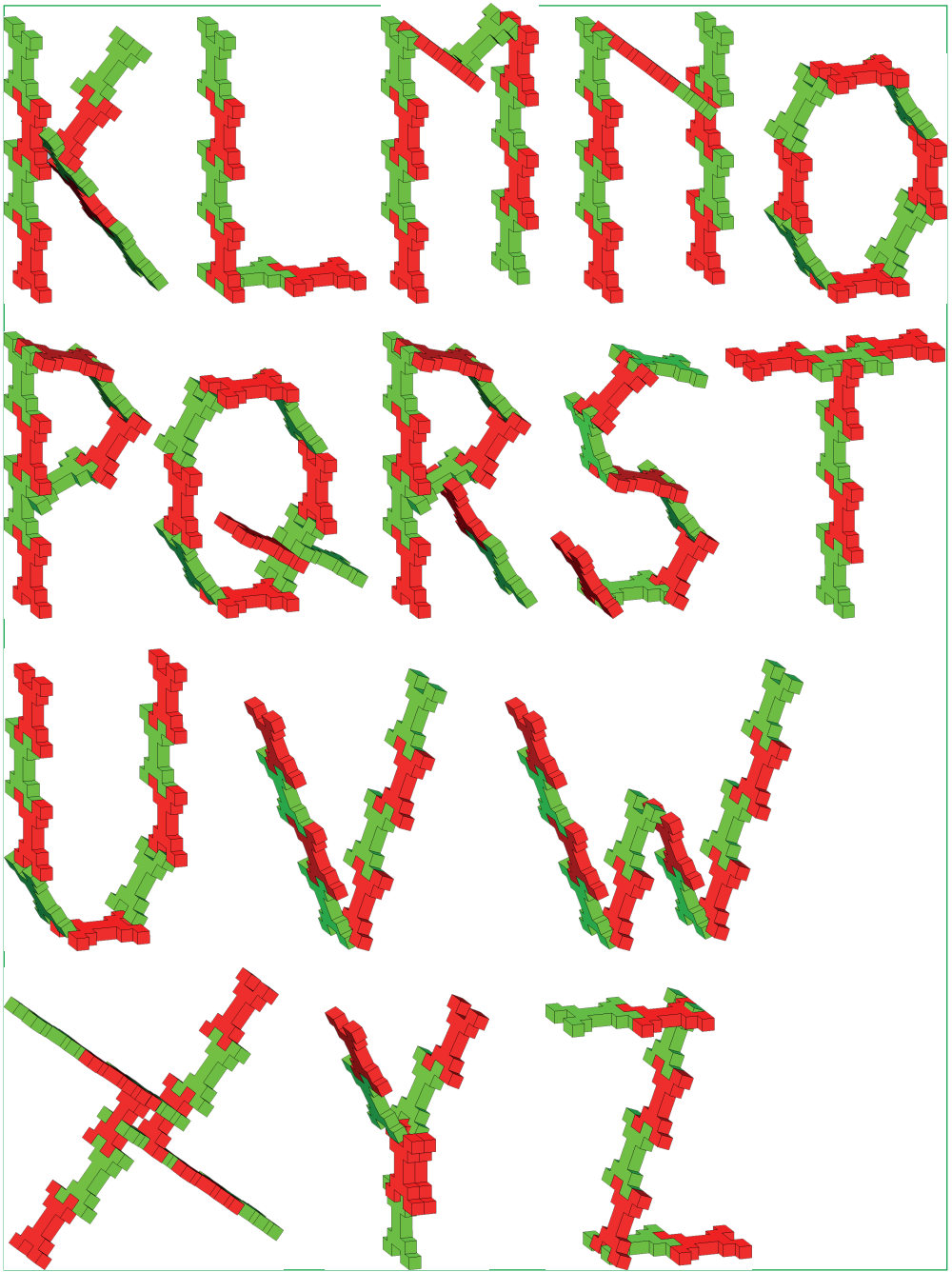
## Vytvoř písmena

Vytvoř následující tvary písmen



A B C D E F G H I J K L M N  
O P Q R S T U V W X Y Z







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